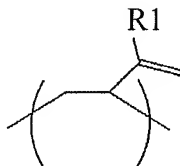


AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0009] at page 4 with the following amended paragraph:

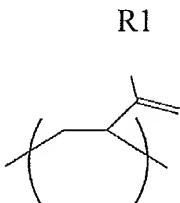
[0009]



(In Formula (I), R¹, represents an alkyl group having 1 to 10 carbon atoms or an alkenyl group having ± 3 to 10 carbon atoms.)

Please replace paragraph [0011] at page 4 with the following amended paragraph:

[0011]



wherein R¹ represents an alkyl group having 1 to 10 carbon atoms or an alkenyl group having ± 3 to 10 carbon atoms,

wherein the isotacticity of an arrangement of the structural units is 60%mm or more in terms of triad content.

Please replace paragraph [0013] at page 5 with the following amended paragraph:

[0013]

wherein R^2 represents an alkyl group having 1 to 10 carbon atoms or an alkenyl group having ~~1~~ 3 to 10 carbon atoms, in the presence of a polymerization catalyst containing a complex represented by the following Formula (A):

Please replace paragraph [0031] with the following amended paragraph:

[0031] <Method of producing isoprene-based polymer of the present invention>

The isoprene-based polymer of the present invention may be produced by polymerizing an isoprene-based compound represented by Formula (X) to be described below. In Formula (X), R^2 may be any group, preferably an alkyl or alkenyl group. For example, R^2 is an a alkyl group having 1 to 10 carbon atoms (more preferably C1-C6) or an alkenyl group having ~~1~~ 3 to 10 carbon atoms (more preferably C1-C6), and most preferably, R^2 is a methyl group. That is, the most preferable compound is isoprene. In addition, preferable example of R^2 is a 4-methyl-3-pentenyl group, that is, myrcene is also a preferable isoprene-based compound.